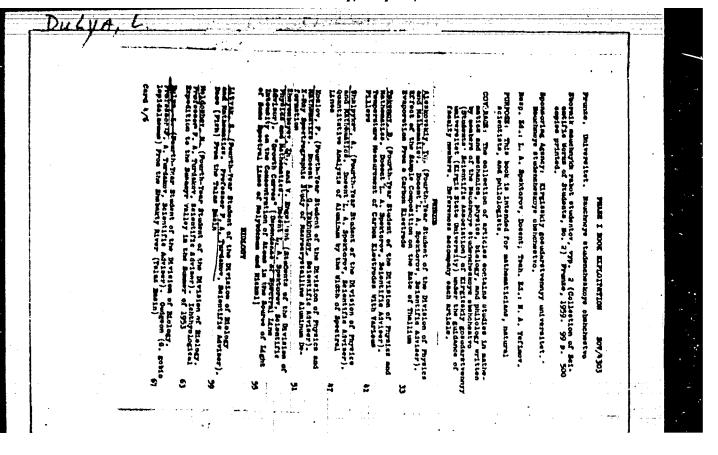
KALIBERDA, V.M., kand. sel'skokhos. nauk; SULIMOVSKIY, I.G., kand. sel'skokhos. nauk; BUKHAN'KO, Ye.P.; LOGVINENKO, V.A., agronom; KOVALENKO,
A.P.; PODGORNYY, P.I., prof. zasluzhennyy deyatel' nauki Ukrainskoy
SSR; FEDOTOV, V.A., aspirant; KURBATOV, I.D., agronom; KOZEYEV, V.I.;
SHCHETININ, A.I.; KORCHAGIN, V.A., kand. sel'skokhoz. nauk;
SOGURENKO, V.P.; KOSTROV, K.A., kand. sel'skokhoz. nauk; DULYA, F.M.;
SHERSTNEV, N.F., aspirant

Crops preceding winter crops in various zones. Zemledelia 27 no.7: 26-45 Jl '65. (MIRA 18:7)

- 1. Ukrainskaya seliskokhozyaystvennaya akademiya (for Kaliberda).
- 2. Odesskiy seliskokhosymystvennyy institut (for Sulimovskiy).
- 3. Odesskaya oblastnaya sel'skokhosyaystvennaya opytnaya stantsiya (for Bukhan'ko). 4. Kolkhos imeni Kirova, Mar'inskogo rayona Donetskoy oblasti (for Logvinenko). 5. Donetskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya (for Kovalenko). 6. Voronezhskiy sel'skokhozyaystvennyy institut (for Fedotov). 7. Alekseyevskoye rayonnoye proisvodstvennoye upravleniye sel'skogo khozyaystva, Belgorodskoy oblasti (for Kurbatov). 8. Bezenchukskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Korchagin). 9. Direktor Bykovskoy opytnoy stantsii bakhchevodstva (for Sogurenko). 10. Mordovskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Kostrov). 11. Direktor sovkhoza "Khleborobnyy", Smolenskogo rayona, Altayskogo kraya (for Dulya). 12. Altayskiy sel'skokhozyaystvennyy institut (for Sherstnev).



STEPANYAN, L.A., red.; ARUTYUNYAN, A.B., red.; BAGDASANYAN, A.B., prof., doktor geogr. nauk, glav. nauchnyy red.; DAVTYAN, G.S., red.; MARTIROSYAN, G.M., red.; MARUKHYAN, A.O., red.; MKRTCHYAN, S.S., red.; URUSOV, V.V., red.; SHAKHBAZYAN, M.S., red.; ALLAKHVERDYAN, G.O., kand. ekonom. nauk zem glav. nauchnogo red.; ARUTYUNYAN, N.Kh., akademik, red.; VALESYAN, L.A., kand. geogr. nauk, red.; DUL'YAN, S.H., kand. geogr. nauk, red.; YERDEYAN, S.T., red.; ZOGRAHYAN, L.N., kand. geogr. nauk, red.; KOCHARYAN, G.A., prof., red.; POGOSYAN, Kh.P., prof., doktor geogr. nauk, red.; RUTKOVSKAYA, M.S., starshiy red.; SAVELO, A.F., tekhn. red.; YAROSHEVICH, K.Ye., tekhn. red.

[Atlas of the Armenian Soviet Socialist Republic] Atlas Armianskoi Sovetskoi Sotsialisticheskoi Respubliki. Erevan, Akad. nauk Armianskoi SSR; glav. upr. geodez. i kartografii MG i CN SSSR, 1961. 111 p. (MIRA 15:2)

1. Minskaya kartograficheskaya fabrika Glavnogo upravleniya geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR (for Urusov).

2. Akademiya nauk Armyanskoy SSR (for Arutyunyan). 3. Chlen-korrespondent AN Armyanskoy SSR (for Yeremyan).

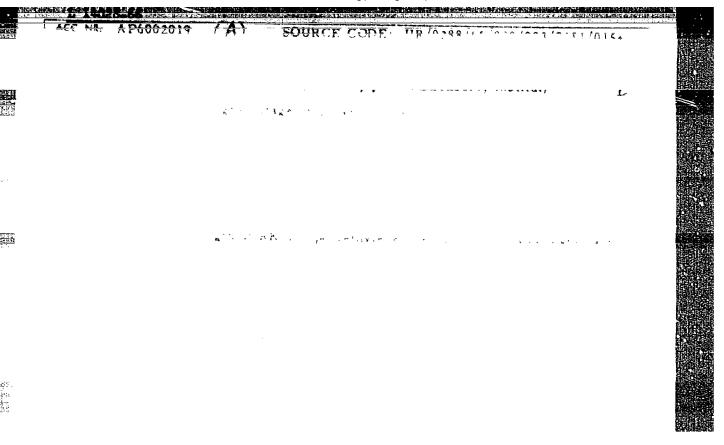
(Armenia-Maps)

VALESYAN, L.A.; DUL'YAN, S.M.; YEGIAZARYAN, Ye.A.

Basic trends in the development of economic geography in Soviet Armenia. In ist.est.i tekh. 2:332 '62.

(MIRA 18:4)

# "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152



Dutzon A.P.

The ancient distribution of Kets according to toponymic data.

Vop. gaog. no.58:50-84 \*62. (MIRA 15:9)

(Names, Geographical-Ket)

## DUL'ZOV, A. P.

"Drevniye tolonimy Yuzhnoy Sibiri indo-evropeyskogo proiskhozhdeniya."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences, Moscow, 3-10 Aug 64.

## DULIZON, Hikolay Andreyevich, assistent

Differential power transformers with superimposed magnetisation.

Isv.vys. ucheb. sav.; elektromekh. 3 no.4:48-56 160. (MIRA 13:9)

l. Kafedra elektricheskikh stantsiy, setey i sistem Tomskogo politekhnicheskogo instituta. (Electric transformers)

AUTHOR: Dul'zon, N.A.

TITLE: Pre-Magnetize

Pre-Magnetized Differential Current-Transformers

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika,

1960. Nr 4, pp 48-56 (USSR)

ABSTRACT: The work described in this article was carried out under the guidance of Professor I.D. Kutyavin. The use of

differential current-transformers for alternator protection is reviewed. Existing transformers are too large and though their size could be reduced by the use of permalloy, the material is scarce and expensive. The use of d.c. premagnetization, as in zero phase-

sequence current-transformer protection, is not recommended because the necessary transformers are complicated and big. The present article describes single-turn single-circuit differential-current transformers with premagnetization by the primary-current leakage fluxes. These transformers are of

simple construction; they are comparatively small and may be used successfully on medium and large alternators.

Card 1/6 The core of the new differential current-transformers is

Pre-Magnetized Differential Current-Transformers

illustrated diagrammatically in Fig la; it is rectangular and fits round the two conductors of a generator phase. There are four secondary windings, two on the legs common to the two conductors, and two on the end limbs. The cores are made of ordinary magnetic steel, as used in alternators. Under normal conditions and on external fault, the currents in the two phase conductors are equal and opposite. No emf is induced in the coils on the common legs, whilst leakage flux emf's are induced in the windings on the end limbs. On the occurrence of an internal (generator) fault, the current flows in the same direction in both conductors. Thus emf's are induced in the windings on the common legs, which also carry some leakage flux. The fault-current flux also induces emf's in the outer windings which, in addition, carry the total leakage flux. On the occurrence of an earth fault, the flux distribution is as shown in Fig 1b, with the superposition of an additional flux. The latter induces an emf in the windings on the common legs and the leakage flux provides

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#### Pre-Magnetized Differential Current-Transformers

premagnetization of the core to a value of induction that ensures highly sensitive earth protection. A schematic circuit diagram of generator protection is given in Fig 2. Relays 1, 2 and 3 are connected to one of the end coils of the differential transformer on each phase and respond to external fault currents, whilst relay 4 responds to overload. These relays also respond to internal faults. Relays 5, 6 and 7 are connected in series with the two coils on the common legs on each phase and respond to internal faults between phases, whilst relay 8 is the earth protection relay. When each phase of the generator consists of two parallel windings the protection circuit is as shown in Fig 3. Here relays 1 to 8 maintain the same functions as before, whilst relays 9, 10 and 11 and the corresponding windings respond to inter-turn faults. When the alternator operates as a unit with a transformer the protective circuit may be somewhat simplified because Relay 8 is not required. Leakage fluxes in the new differential transformer are then calculated. As the

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Pre-Magnetized Differential Current-Transformers

usual method of calculating these fluxes is cumbersome and not very accurate, an approximate method of calculation is described. The permeance of the leakage flux circuit is given by Eq (1), the induction by expression (4) and the reluctance of the full magnetic circuit by Eq (6). In principle, the reluctance of the core is calculated for a certain fictitious length of mean magnetic flux path determined from Eq (5) for a value of permeability corresponding to the induction calculated by Eq (4). Selection of the transformer dimensions is then discussed. Some are fixed in advance by the geometry of the alternator terminals; the thickness of the core may be determined from Eq (7). The method of determining the magnetic permeability and the actual induction in the core when selecting the core thickness is explained with reference to the curves given in Fig 5. On substituting the core characteristics into Eq (7), certain corrections may be necessary and these are explained. Experience shows that for generators of 6 kV and more with rated currents

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## Pre-Magnetized Differential Current-Transformers

over 800 A satisfactory results can be obtained with relay type ETD-550 with an operating power of 0.01 VA; more sensitive relays are not necessary. This new method of protection is compared with the existing one developed by the Academy of Sciences UkrSSR. It is stated that the new method has higher selectivity and sensitivity and is better suited to systems incorporating arc-suppression coils. To check the formulae, numerical calculations were made on a particular current transformer, details of which are given, having the circuit and magnetic properties given in Fig 6. Curves of earth-protection operating current and of overload-protection current as functions of load current are plotted along with experimental values in Fig 6. It will be seen that the difference is less than 7%, which is very satisfactory. These new current transformers could be used for other large machines besides generators. There are 6 figures and 9 Soviet references.

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## "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152

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Pre-Magnetiz	ed Differential Current-Transformers		
ASSOCIATION:	Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute)		_
SUBMITTED:	February 10, 1960		
Card 6/6			
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#### DUL' 20N, Mikolay Andreyevich, starshiy prepodavatel'

Equivalent circuit of a differential current transformer. Izv. vys. ucheb. zav.; elektromekh. 6 no.1:127-131 '63. (MIRA 16:5)

1. Kafedra elektricheskikh setey i sistem Tomskogo politekhnicheskogo instituta.

(Electric transformers) (Electric protection)

VEREMEYEVA, A.A., insh.; DUL'ZON, N.A., insh.; KOMERNIK, Ye.D., insh.; PANASYUK, N.G., insh.; SAVOST'YANOV, Yu.Ye., insh.

Protection of generators from various stator windings damages by means of differential current transformers. Elek. sta. 36 no.2: 40-45 F 165. (MIRA 18:4)

DUM, B.V.; FAYERMAK, B.G.; BRONFEN, P.M.

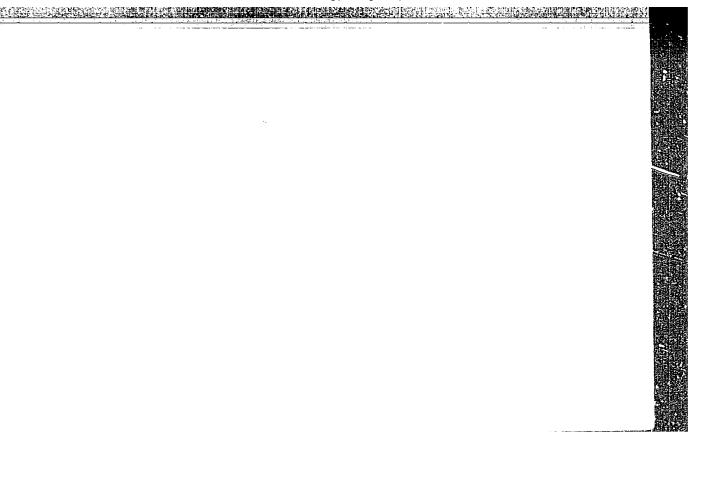
The SBG-lm boring machine for boring gas drainage holes in coal mines. Ugol 40 no.12:60-61 D 65. (MIRA 18:12)

1. Giprouglegormash, Karaganda (for Dum). 2. Mashinostroiteltnyy zavou Karagandinskogo soveta narodnogo khozyaystva (for Fayermak, Bronfen).

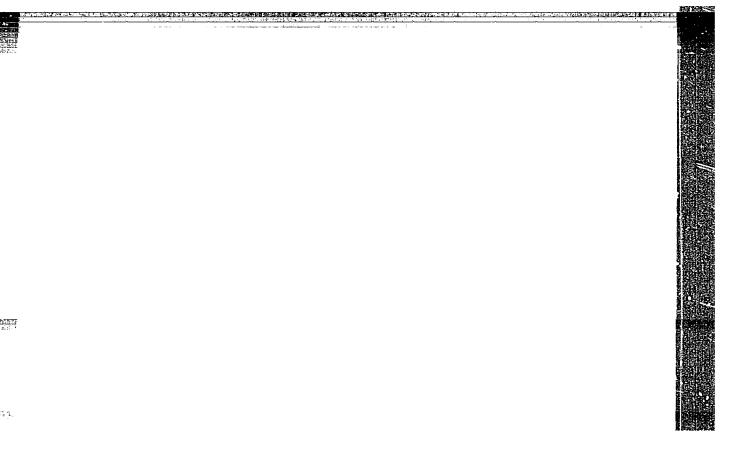
DUMA, A.K., insh.; MASHKOV, A.S., insh.; KOVALEV, V.P., insh.

Strengthened suspensed scaffolding with mechanised hoisting. Prom. stroi. 40 no.12:37-39 '62. (MIRA 15:12) (Scaffolding)

## "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152



## "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152



HINCU,S., ing.; DUMA, D., ing.

Hydraulic studies on the complex development of the Danuba Delta. Hidrotelmica 8 no.8:277-285 Ag\*63

DUMA, D.; KYMPYANU, Ye.[Gimpeanu, E.]; POPOVICH, L.[Popovici, L.;
PAVEL, O.[Pavel, O.]; OPINKARU, A.[Opincaru, A.; GREKU, F.[Grecu, F.]

Heparin treatment in acute disorder of cerebral blood circulation caused by thromboembolism. Hauch. trudy Inst. nevr. AMN SSSR no.1:345-350 160. (MIRA 15:7)

1. Klinika nervnykh bolesney Mediko-farmatsevticheskogo institut, Klush.

(HEPARIN) (CEREEROVASCULAR DISEASE)
(EMBOLISM)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; ROMAH, Al. DUMA, D.; MARTA, M.

Identification of a virus of the pararickettsia group, and its isolation from the calves stricken with enzocial bronchopneumonia. Studii cerc inframicrobiol Special issue-supplement to 12:323-328 161.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for Sarateamu, Surdan, Sorodoc, and Fuhrer-Anagnoste). 2. G.A.S. (Gospodarie Agricola de Stat) Rosia (for Roman). 3. Laboratorul regional veterinar Oradea (for Duma and Marta). 4. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateamu).

(VETERINARY MEDICINE) (PNEUMDHIA) (RICKETTSIAL DISEASES)

SARATEANU, D.; SORODOC, G.; PUHRER-ANAGNOSTE, B.; SURDAN, C.; NASTAC, E.; LISSIEVICI-OPRESCU, E.; DUMA, D.; MARTA, M.; ROMAN, Al.

Serologic studies on the incidence rate of ornithotic antibodies in some mammals. Studii cere inframicrobiol Special issue-supplement to 12:329-334 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for Sarateam, Sorodoc, Fuhrer-Anagneste, Surdan, Nastac, and Lissievici-Oprescu).

2. Laboratorul regional veterinar Oradea (for Duma and Marta). 3. G.A.S. (Gospodarie Agricola de Stat) Rosia (for Roman). 4. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateamu).

(ORNITHOSIS) (ANTIGENS AND ANTIBODIES)

SARATEANU, D.; SORODOC, G.; FUHRER-ANAGHOSTE, B.; SURDAN, C.; HASTAC, E.; LISSIEVICI-OPRESCU, E.; unter Miterbein von DUMA, D.; MARTA, M.; ROMAN, Al.

Serological investigations of the presence of anti-ornithosis anti-bodies in some manuals. Rev. sci. med. 6 no.1/2:109-112 \*61.

(ORMITHOSIS immunology) (CATTLE diseases) (SHEEP diseases)

SARATEANU, D.; SURDAN, C.; SOBODOC, G.; FUHRER-ANAGROSTE, B.; in colaborare cu DUMA, D.; MARTA, H.; CUPSA, V.

Investigations of an ornithosis episootic in canaries connected with human cases. Stud. cercet. inframicrobiol. 12 no.3:347-351 '61.

1. Communicare przentata la Institutul de infromicrobiologie al Academiei R.P.R. in sedinta din 5 mat 1961.

(ORNITHOSIS epidemiology)

DUMA, D.; PAPILIAN, V.V.; VUIA, C.; SERBAN, M.

Histochemical aspects of demyelinising leukoencephalitis. Rev. sci. med. 7 no.1/2:41-45 '62.
(ENCEPHALITIS) (DEMYELINATION)

DUMA, D.; SERBAN, M.; POPOVICIU, L.; LAZAR, Tr.; MARES, V.; TARANU, Al.

Histochemical research in various muscular diseases. Stud. cercet. neurol. 10 no.3:159-165 Je \*65.

MANTA, I.; DIMA, D.; LAZAR, Tr.C.; POPOVICIU, L.; CATANA, Rozalia; PIRVU, Maria; SERBAN, M.

Biochemical research on experimental allergic encephalomyelitis. Pt.2. Fiziol. norm. pat. 11 no.3:237-242 My-Je 165.

1. Catedra de biochimie si Clinica de neurologie, Institutul medico-farmaceutic, Cluj.

30156 \$/609/61/000/003/004/008 D039/D112

3,1810 (1041)

AUTHOR:

Duma, D.P.

TIPLE:

Geographic distribution of stable forms of auroras in the region

of the Tiksi Bay

BOURCE:

Akademiya nauk Ukrayins'koyi RSR. Organizatsionnyy komitet po provedeniyu Mezhdunarodno o goofizicheskogo goda. Mezhdunarodnyy geofizicheskiy god; informatsionnyy byulleten', no.3.

1961, 30-34

TEXT: This paper covers results of an investigation of the geographic distribution of homogeneous and radiant arcs in the region of the Tiksi Bay, conducted within the period Oct 1957 - Karch 1958. Certain peculiarities of the behavior of auroras above the continent and basins are described. The author also points out the existence of "forbidden zones" in which the surroras are not observed at the zenith, and the "coastal effect", consistin in the fact that certain arcs follow the contours of the shoreline. The geographic distribution of the auroras were studied with the aid of copies of

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Geographic distribution of ...

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photographs taken by the C-180 (S-180) camera during the observation period 1957-58. The photographs were viewed by means of a A -1A (D-1A) diascope with a tenfold magnification. About 20,000 photographs were viewed and from this total about 100 photographs showing stable forms of auroras were selec ted for the measurements. The projections of the area were then plotted on blank maps of the basin of the Laptev Sia. The arcs were measured with the aid of an accurate rule and an azimula scale. A total of 83 positions of homogeneous and radiant arcs were manused; 52 arcs from this total were separate forms of auroras. The measurement of distances was carried out on the photograph with an accuracy of up to 0.05 mm, which gives errors ranging W from 0 - 35 km over distances from 0 to 1,000 lz. This accuracy was considered high enough for the purposes of the investigation. The analysis of the position of the arcs gave the following results: (1) the average direction in which the homogeneous and radiant arcs extend, forms an angle of 10 - 120 to the geomagnetic parallels. This angle is read clockwise from the western end of the parallel, as in the investigations of Vegard, conducted in Bossekop [Abstracter's note: The correct rendition of Vegard and Bossekop could

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Geographic distribution of ...

not be established] and mentioned by S.K. Mitra (Ref. 1: Verkhnyaya atmosfera The Upper Atmosphere, Ind-vo inostr. literatury, M., 1955). However, the majority of the arcs deviate to both sides of the average direction and week different angles with the latter. This controdicts the statement of many authors who consider that the position of the are is dictated by the common dipole field, and testifies to the effect of the local magnetic fields on the spatial position of the arc; (2) the maximum velocities of the arcs in space are several km/sec, which agrees with the measurements of G.Y. Starkov and N.I. Fel'ashteyn conducted in the region of the Lib non Island; (3) when comparing the "continental arcs" with those situated above a basin, it was found that the "continental" ones were more quiescent than the latter. The · are velocities above basins are higher than above the continent; (4) the existence of a "coastal effect" consisting in the fact that certain arcs follow the shape of the coastline, was also established; (5) peculiar "forbidden zones" encompassing the auroras were often observed. Their existence is very clearly demonstrated by a single arc in existence for a long period. The duration of the "forbidden zones" ranges between several minutes and several hours. If it is assure that the auroras are discharges, the presence

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Geographic distribution of ...

of the "forbidden zones" can be explained as the result of a combination of the initial and induced magnetic fields of the arcs; (6) there are certain terrestrial regions in which auroras are scarcely ever observed at the zenith. Their presence is associated with the peculiarities of the local magnetic fields and possibly with the existence of strong magnetic anomalies. The author concludes that all these facts indicate that the position of homogeneous and radiant arcs in space is particularly determined both by the instantaneous value of the local magnetic field, as is assumed by Cartlein stal. (Ref. 2: C.W. Gartlein, H.F. Gartlein, G. Sparagne, The Aurora and the Local Magnetic Field, a report delivered at the Fifth Assembly of the SK MGG[SK of the International Geophysical Year] in July, 1958, in Moscow) and by the properties of the base surface. There are 2 figures and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: C.W. Gartlein, H.E. Gartlein, G. Sparagne, The Aurora and the Local Magnetic Field,

ASSOCIATION: Glavnaya astronomicheskaya observatoriy: AN USSR (Min Astronomical Observatory, AS UkrSSR)

Card 4/4

YAKOVKIN, A.A. [IAkovkin, A.O.]; DUMA, D.P.

Orientation of fundamental catalogs based on lunar observations. Dop. AN URSR no.6:761-764 163 (MIRA 17:7)

1. Glavnaya astronomicheskaya observatoriya AN UkrSSR. 2. Chlen-korrespondent AN UkrSSR (for Yakovkin).

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152

DUMA, D.P.

Calculating the orientation elements of the fundamental catalogs from lunar observations. Dop. AN URSR no.8:1041-1045 '63. (MIRA 16:10)

1. Glavnaya astronomicheskaya observatoriya AN UkrSSR. Predstavleno akademikom AN UkrSSR N.P.Barabashovym,

(Stars-Catalogs) (Moon-Observations)

DUMA, D,P.

Determination of the equinoctial points from lunar observations.

Isv. Glav. astron. obser. AN USSR 5 no.1:12-20 '63.' (MIRA 16:6)

U(Sun) (Moon-Observations)

4

ACCESSION NR: AT4043448

8/0000/64/000/000/0003/0021

AUTHOR: Duma, D. P.

TITLE: Determination of the orientation elements of fundamental catalogues from short series of lunar observations

SOURCE: AN UkrSSR. Glavnaya astronomicheskaya observatoriya. Voprosye astrometrii (Problems in astrometry). Kiev, Izd-vo Naukova dumka, 1964, 3-21

TOPIC TAGS: astronomy, moon, lunar node, lunar orbital inclination, astronomical fundamental catalogue, astronomical orientation

ABSTRACT: Equations have been derived for determining the orientation of the system of fundamental catalogues from short series of lunar observations, taking into account the motion of the nodes and the inclination of the orbit to the ecliptic. It is shown that the previously applied equations should be replaced by the following

$$\sin(\alpha - N)\Delta\mu + \sin I \cos(\alpha - N)\Delta 1 + \Delta \delta_0 = \Delta \delta$$
 obs-eph  $\Delta A = \Delta 1 = \Delta \mathcal{L}$  obs-eph',

Cord 1/3

#### ACCESSION NR: AT4043448

where N is the longitude of the ascending node of the orbit on the equator, I is the inclination of the moon's orbit to the equator at a given time, the unknown  $\Delta \mu$  is the sum of the corrections  $A_i, \Delta \mathcal{E}$ , AR with the corresponding coefficients,  $A_{obs-eph}$  is the difference between the observed and ephemerical declinations,  $AL_{obs-eph}$  is the mean annual difference between the observed and ephemerical right ascensions,  $AL_{obs-eph}$  is the correction for declination, and  $AL_{obs-eph}$  is the correction for ephemerical longitude. After transformations and taking into account new computations for corrections of longitude and orbital inclination, the final equations are

$$\Delta 4 \sin (\omega - N) + \Delta A \sin I \cos (\omega - N) + \Delta \delta_0 = \Delta \int_{0}^{1} obs-enh$$

for the northern limb and

$$\Delta \gamma \sin (\omega - N) + \Delta A \sin I \cos (\omega - N) + \Delta \delta_0 = \Delta \delta_{\text{1'obs-eph}}$$

for the southern limb, where  $\Delta \delta$  obs-sph and  $\Delta \delta$  obs-sph are the differences in

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# ACCESSION NR: AT4043448

declinations, computed while taking into account corrections for longitude, inclination and macrorelief. These formulas, on being applied to meridian observations of the moon made at the U. S. Naval Observatory in 1927, gave results that were in fairly good agreement with those of other authors. Correction to Newcomb's equinox is  $\Delta A = -0.8036 \pm 0.8023$  and the equatorial correction is  $\Delta f_0 = -0.2740.2740.29$ . Orig. art. has: 59 formulas, 3 figures and 5 tables.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya, AN UkrSSR (Main Astronomical Observatory, AN UkrSSR)

SUBMITTED: 11Mar64

ENCL: 00

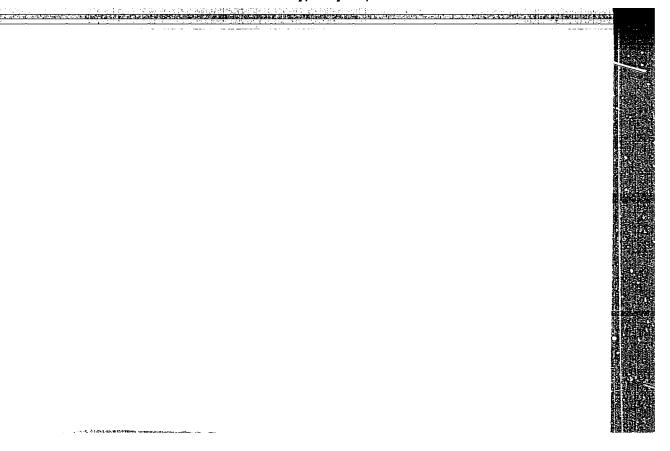
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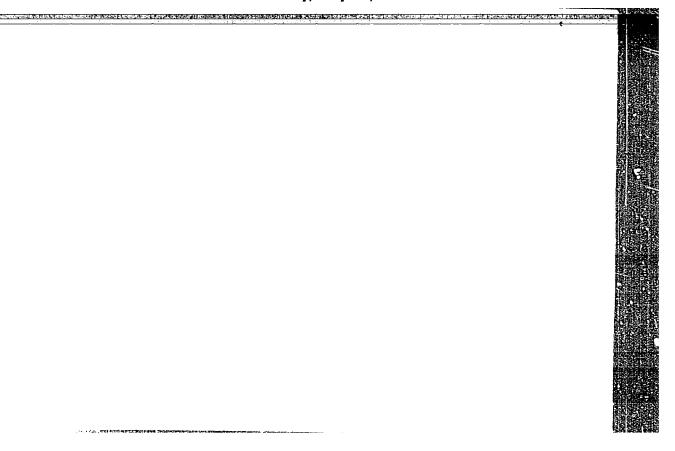
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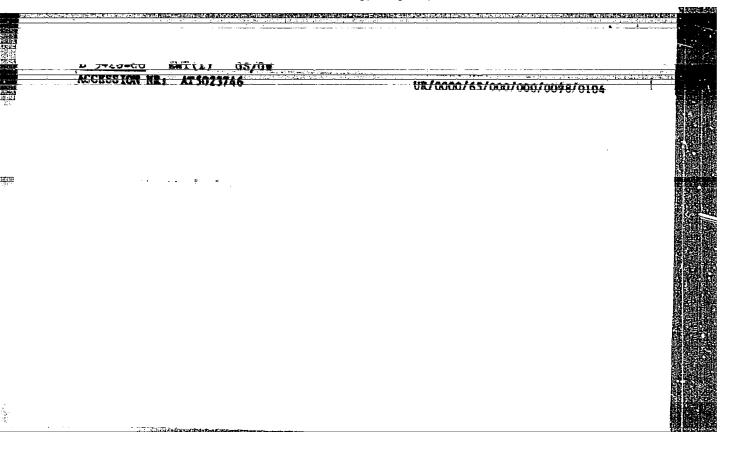
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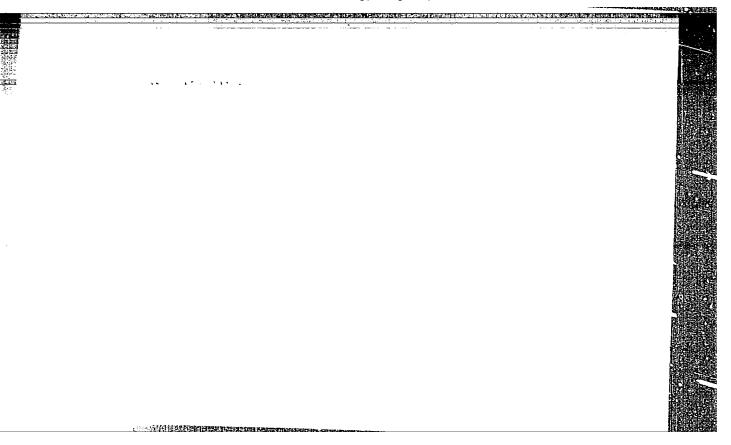
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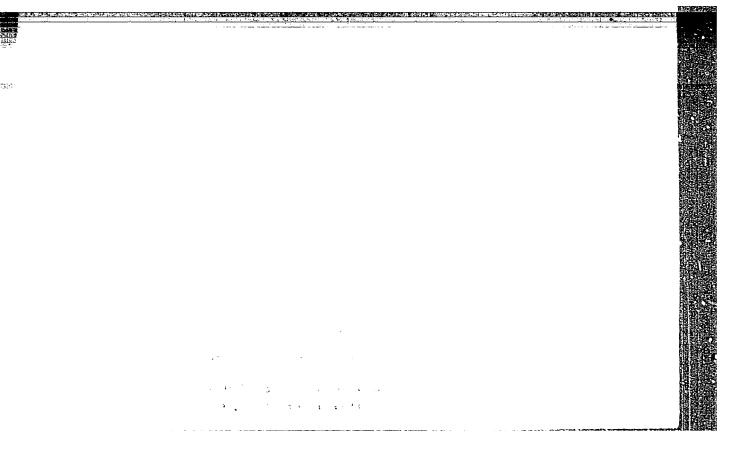
3/3

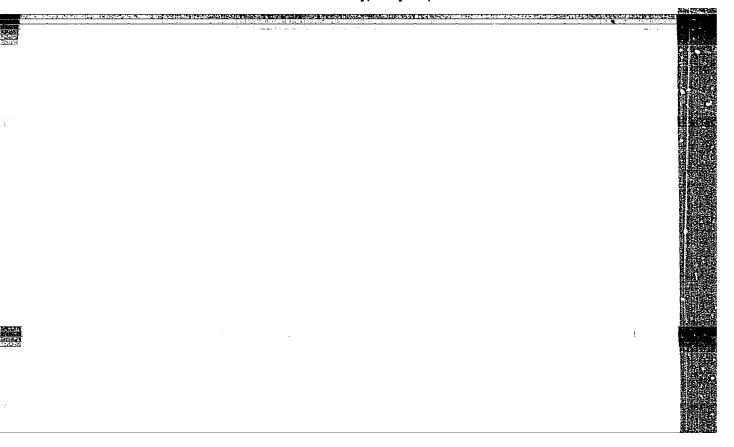












DUNA, G., Dr.; ILCA, St., ing., chim.; CRIVETS, D., dr.; MANU, E., dr.

Studies on elimination of bilirubia in icterogenic hepatitis. Med. int., Bucur. 4 no.8:1143-1151 Dec 56.

1. Lucrare efectuata in Spitalul unificat de adulti Lugoj.
(HEPATITIS, urine in
icterogenic, elimination of bilirubin)
(BILIRUBIN, in urine
in icterogenic hepatitie)

DUMA, OY.

DUMA, GY. Subsequent determination of the burning conditions of a medieval tile stove. p. 344.

Vol. 8, No. 9, Sept. 1956. EPITOANYAG TECHNOLOGY Budapest, Hungary

So: East European Accession, Vol. 6, No. 2, Feb. 1957

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CIA-RDP86-00513R00041152

HUNGARY/Chemical Technology - Chemical Products and Their

H-12c

Application, Part 2. - Ceramics, Glass, Binders,

Concretes. - Glass.

Abs Jour

: Ref Zhur - Khimiya, No 7, 1958, 22190

Author

: Cybrgy Duma

Inst Title

: Gilding of Middle-Age Glazed Construction Ceramics in

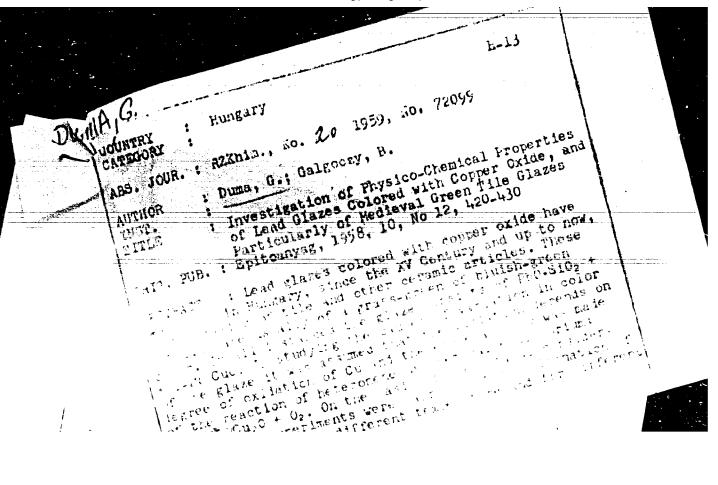
Orig Pub

: Epitdanyag, 1957, 9, No 4, 204-211

Abstract : No abstract.

Card 1/1

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152



#### DUMA, Gyorgy

Formation of the color of unglazed black ceramics by means of coal as a product of combustion process. Epitoanyag 14 no.12:463-470 D '62.

# DUMA, Gyorgy

Survival of the crockery vault, an ancient building structure, in Hungarian pottery kilns. Epitoanyag 17 no.2:37-46 F 165.

1. College of Industrial Arts, Budapest.

# "APPROVED FOR RELEASE: Thursday, July 27, 2000 CI

CIA-RDP86-00513R00041152

DUMA, H.

"The organization of the State University of Tirene"

Buletin. Seria Shkencat Matyrore. Tirane, Albania. Vol. 11, no. 1, 1957

Monthly list of Bast European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclas

EFREMOV, G.; VASKOV, B.; DUMA, H.; ANDREJEVA, H.

Separation of human hemoglobins with starch gel electrophoresis, aluminium oxide chromatography and DEAE cellulose chromatography. I. Technics and results of the study of adult and fetal hemoglobins. Acta med. Iugosl. 17 no.3:252-262 '63.

1. Katedra za stocarstvo Foljoprivredno-sumarskog fakulteta i Klinika za decje bolesti Hedicinskog fakulteta u Skoplju.

SERETSYANU, D. [Sarateanu, D.]; SURDAN, K. [Surdan, C.]; SHORODOK, G. [Sorodoc, G.]; SHTEFENESHU, I. [Stefanescu, I.]; v sotrudni-chestve s: DUMA, M.; MARTA, M.; VASILE, K. [Vasilie, C.]; FLORESKU, T. [Florescu, T.]; PAIKU, P. [Paicu, P.]

Investigations of active immunisation against owine enzootic abortion. Immunological study in various episcotic conditions. Rev. sci. med. 8 no.3/4:167-171 163.

(RICKETTSIAL DISEASES) (SHEEP DISEASES)
(ABORTION, VETERINARY) (VACCINES)

SARATEANU, D.; SURDAN, C.; SCRODOC, G.; ANAGNOSTE, B.; STEFANESCU, I. in colaborare cu DUMA. M.; MARTA, M.; VASILE, C.; FLORESCU, T.; PAICU, P.

Research on active immunisation against ovine ensoctic abortion. Immunological study in various episocticlogical conditions. Stud. cercet. inframicrobiol. 14 no.3:283-294 163.

(ABORTION, VETERINARY) (SHEEP DISEASES) (RICKETTSIAL DISEASES) (IMMUNOLOGY)

## DUMA, M.

TECHNOLOGY

Periodicals: AUTOMATICA SI ELECTRONICA. Vol. 2, no. h, July/Aug. 1958 DUMA, M. A conference on telemechanics in Leningrad. p. 176.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2, February 1959, Unclass.

DUMA, M.; ROISMAN, W.

Voltage stabilizers of alternating current with magnetic and electronic amplifiers; p. 204

AUTOMATICA SI ELECTRONICA (Asociatia Stinifica à Inginerilor si Technicienilot di din Rominia.)
Vol. 2, no. 5, Sept/Oct. 1958
Bucuresti, Rumania

Monthly list of European Accession index (EEAI) LC Vol. 8, No. 11 November 1959 Uncl.

DUMA, M.; CRETESCU, A.; CALUSITA, M.

Televoltmeter and teleamperameter for a paraical circuit. p. 230

AUTOMATICA SI ELECTRONICA (Asociatia Stinifica a Infinerilor si techicienilor din Rominia) Vol.2, no. 5, Sept./Oct. 1958 Bucuresti, Rumania

Monthly list of European Accession Index (EEAI) LC Vol. 8, No. 11  $N_{\rm o}$ vm ber 1959 Uncl.

DUMA, M.; ROISHAN, W.; COLIN, L.

A universal static device for telemetering on physical circuits. p. 235.

AUTOMATICA SI ELECTRONICA. (Asociatia Stiintifica a Inginerilor si Tempnicienilor din Rominia) Bucuresti, Rumania. Vol. 2, no. 6, Nov./ Dec. 1958

Monthly list of East European Accessions (EEAI) LC, VOL. 8, no. 8, Aug. 1959

Ubcl.

DUMA, M: SIRBU, M.

Power transductor in the continuour current operating as compensator in telemetering. p. 119.

AWTCMATICA SI ELECTRONICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia) Bucuresti, Rumania Vol.3, no. 3, May/June 1959.

Monthly list of Eastern European Accession Index (EEAI) IC Vol. 8, No. 11 November 1959 Uncl.

R/002/60/000/007/001/002 A125/A026

AUTHOR:

Duma, M., Engineer

TITLE:

Automation, the Need of the Day

PERIODICAL:

Stiinta și Tehnica, 1960, No. 7, pp. 14 - 15

TEXT: After mentioning the report of the Central Committee of the Rumanian Communist Party, presented by Gh. Gheorghiu-Dej at the 3d Congress of the Rumanian Communist Party, the author briefly describes some procedures, which will be carried out by automatic devices. In thermal power plants all processes such as transportation and grinding of the coal, feeding, burning, production of steam and operation of power generating units will be mechanized and automated. Automatic control devices directed by automatic computers will control the whole production process. The distribution of electric power through the united national power grid will be controlled by electronic computers, installed in the main distribution centers. Automatic machine tools, such as duplicating machines, programcontrolled machine tools a machine units, automatic and semi-automatic production lines will be introduced in the mechanical engineering industry.

Card 1/2

R/002/60/000/007/001/002 A125/A026

Automation, the Need of the Day

Rumania will produce more and more automatic elements, especially electronic devices, by using semiconductors. Brief reference is made to the advantages of automation. The author finally describes some electronic devices to be used in automation, produced in Rumania: ultrasonic defectoscopes; electronic stroboscopes generating luminous impulses from 24 to 430 cps; "C2/C50" electronic device for the determination of humidity and insulation of transformers, based on the principle of measuring the capacity of transformers from 2 to 50 ups; device for the determination of faults in electric aerials; hoar-frost indicator used for high voltage lines; and electronic pH-meter. There are 8 photographs.

Card 2/2

\$/044/62/000/008/067/073 0111/0333

AUTHOR:

Duma, M.

TITLE:

On the raising of the efficiency of the information transmission in the industrial telemetering technics

PERIODICAL: Referativnyy shurnal, Matematika, no. 8, 1962, 55, abstract 8V299. ("Tr. I Mezdhunar. kongressa Mezhdunar. federatsii po avtomat. upr., 1960 (T.3). Statist. metody issled." H., AN SSSR, 1961, 384-393. Discus., 393-400)

One investigates the possibility of raising the economy of the information transmission. It is shown that one can raise the efficiency of the information transmission in the industrial telemetering technics by regarding the statistical and functional properties of the processes preceding in the different technological complexes. In this connection the notion of the information value which is determined by the economical profit is considered. In the added discussion one commends the importance and actuality of the questions considered in the paper in connection with the development of the large automatized complex telemetering systems.

Abstracter's note: Complete translation ] State of the state

45018

R/011/62/006/006/002/004 A065/A126

12,5600

Duma, Mario, Vilcov, Lavinia, Steiner, Matei

AUTHORS:

Selection methods used in the remote control of systems for scat-

tered units

PERIODICAL: Automatica și electronica, no. 6, 1962, 239 - 242

TEXT: The main problems of the use of a selection based on frequency separation, as a main method of frequency separation in remote control systems for scattered units, were studied by the authors and others earlier. The continuation of these investigations has led to the development of some improved selection procedures, by combining the different methods of signal separation. Thus, the AF-311 remote control system for scattered units, i.e., operative oil wells, could be developed. The main objectives in the improvement of the selection methods consisted of: increase of the capacity of the remote control system; remethods consisted of: increase of the capacity of the remote control system; reduction of the number of conduits in each transmission line; development of the duction of the device for an increase of the application possibilities; and, pliability of the device for an increase of the device. Presented are then some

Card 1/2

 $c_{ard}$ 

DUMA, M.; STEINER, M.; HEGREARU, D.; VILCOV, L.; DUMITRESCU, M.; HEAGU, V.

Complex telemechanical system for short distance dispersed objects, with application to oil derricks. Probleme automatiz 4:69-77 163.

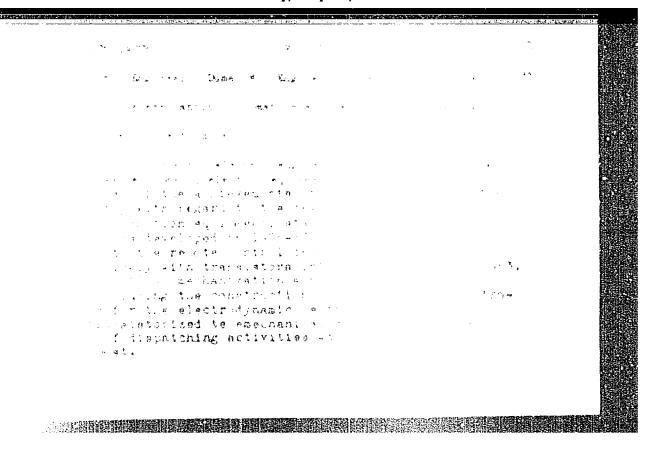
SIRBU, M.; DUMA, M.; PRANITKI, A.; PAUKER, M.; COLIN, L.; BRAUNSTEIN, P.

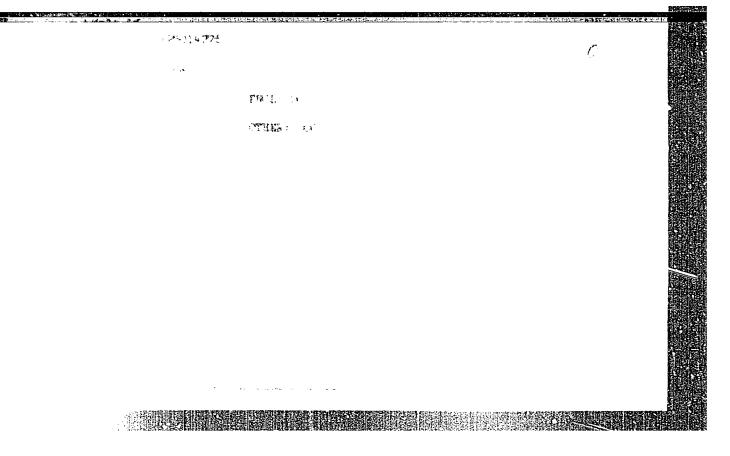
Radiotelemechanical control of the hoisting machinery. Probleme
automatis 4:205-210 '63.

DUMA, M., ing.; FRIEA, I., ing.

Automatic equipment for the telecontrol of the state of an ensemble of dispersed objects. Automatica electronica 7 no.3:111-113 My-Je 163.

1. Seful laboratorului de telemecanica al Institutului de Cercetari Electrotehnice (for Ruma). 2. Cercetator principal in laboratorul Institutului de Cercetari Electrotehnice (for Felea).





#### ANDRONESCU, A.; BADESCU, I.; DUNA, H.

Contributions to the knowledge of the Ilba Handal deposit; study of processes relating to vein mineralising and weathering of rocks. Rev min 13 no.9:393-404 S '62.

SOCOLESCU, M.; ANDRONESCU, A.; DUNA, W.

New mineralogical observations on the polymetal mineralizing of the Handalu Ilbei deposit. Rev min 13 no.10:444-446 0 162.

DUMA, R.K.

AID P - 5386

Subject

: USSR/Engineering

Card 1/1

Pub. 103 - 16/28

Author

: Duma, P. K.

Title

: Modernization of console duplicate milling machine

Periodical

: Stan. i instr., 9, 32, \$ 1956

Abstract

: The operation of one such modernized unit designated for manufacturing forging punchers and other specimens which have a complicated form is briefly outlined and illustrated. Three drawings.

Institution : None

Submitted

: No date

DUNH, R.K.

Rolling multiple screws and worm gears. Stan. i instr. 28 no.10:22-23 0 157. (MIRA 10:11) (Screw cutting)

DUNA, R.K.

Semiautomatic machines used in milling cam sleeves. Stan. i instr. 28 no.12:35 D \*57. (MIRA 10:12) (Milling machines)

507/121-58-9-7/21 Duma, R.K. AUTHOR:

The Manufacture of Multi-start Screw Transmissions of TITIE: Special Thread Profile (Izgotovleniye mnogozakhodnykh vin-

tovykh peredach spetsial'nogo profilya)

PERIODICAL: Stanki i Instrument, 1958, Nr 9, pp 22 - 24 (USSR)

ABSTRACT: Screws and nuts with pitch angles between 15 and 45° are considered. An involute type profile has been introduced

in recent years which is cut by a conical grinding wheel on a thread grinder. A helical tooth broach for cutting multi-start nuts having the new thread profile is illustrated in Figure 2 and the kinematic scheme of a special nut broaching machine is shown in Figure 3. It is stated that the new geometry parmits five times the output of ordinary screws and nuts, cut on a lathe. A screw transmission with

the involute profile is distinguished by high precision. The pitch accuracy in an eight-start screw is plus or minus

 $8 \mu$ . The load capacity of the new screw exceeds the

Card 1/2

SOV/121-58-9-7/21
The Manufacture of Multi-start Screw Transmissions of Special Thread Profile

ordinary by a factor of 2. Reference is made to Litvin, F.L. "Trudy Seminara po teorii mashin i mekhanizmov", SSSR, 1953, Nr 29. There are 3 figures and 2 Soviet references.

Card 2/2

DUMA, R.K.

Hew shape of teeth of straight-tooth bevel gears and methods of their manufacture. Stan.i instr. 29 no.1:9-11 Ja '58.

(Gear outting)

(Gear outting)

Milling helical grooves on shaped parts. Stan. i instr. 29 no.5:39

Ny '58.

(Spiral milling)

## "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152

DUMA, S.

Open-cast coal mining. p. 8. TEHNICA NOUA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor) Bucuresti. Vol. 2, no. 25, Nov. 1955

So. East European Accessions List Vol. 5, No. 9 September, 1956

5(1) "
AUTHOR:

Duma, V., Engineer

RUM/3-59-8-20/32

TITLE:

The Evolution of the <u>Ohemical Plant "Nicolae Teclu"</u> in the Rumanian People's Democracy Era

PERIODICAL:

Revista de chimie, 1959, Nr 8, pp 479-480 (Rumania)

ABSTRACT:

The author affirms that there are few chemical plants in Rumania which underwent such significant development as the "Nicolae Teclu" chemical plants did. This evolution refers both to the rapid increase of the production capacity and the extension of basic products. The raw material of the chemical factory is natural gas. Its utilization for chemical purposes was directed to the following specialities: production of carbon black based on the channel and furnace processes; production of formaldehyde through slow oxidation in the presence of catalysts of natural gas; production of formic and oxalic acid with sodium sulfate (anydrous) as a byproduct; production of methyl metacrylate (plexiglas) by the use of cyanhydroc acid and acetone, both obtained from natural gas. Until the

Card 1/2

RUM/3-59-8-20/32

The Evolution of the Chemical Plant "Nicolae Teclu" in the Rumanian People's Democracy Era

nationalization act, the production was limited to producing carbon black and formaldehyde. A historical section is included, in which the situation during the so-called capitalist era is criticized. The new development is attributed to cooperation with the Soviet Union. For example, the whole carbon-black factory was brought from the USSR. The sorts of carbon black obtained are: active channel carbon black, short furnace carbon black type SRF, long furnace carbon black type HMF and FF. As for formaldehyde this factory was the first in the world to apply the GHH process. The production of organic glass is based on research by the institute CHIMIGAZ. Workers' colonics at Prostea-Mare and Copsa Mica are mentioned.

Card 2/2

DUMA, 2.

The European corn borer is dangerous to rye and wheat. p. 9. Vol. 6, no. 11, Nov. 1955 Warssawa GOSPODARKA ZABOZOWA

SOURCE:

East European Acession List (EEAL) Library of Congress Vol. 5, no. 8, August 1956

# DUMA, ZOZISLAW

POLAND/Chemical Technology, Chemical Products and Their Application, Part 3. - Carbohydrates and Their

. .

H-26

Treatment.

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34100.

Author : Zdzisław Duma. Inst : Not given.

4

Title : Grain Drying at Sugar Factories.

Orig Pub: Przegl. zboz.-mkyrarski, 1957, 1, No 4, 3-6.

Abstract: It was found that the use of pressed pulp drum driers of the Bütther type in the case of necessity and in

order to use the equipment outside the season is quite expedient economically. The output of driers is 6.5 to 9.6 tons per hour depending on the initial moisture of grain (G) and the gas temperature. It is recommended to dry G only to 13 or 145-wal moisture. Further

Card : 1/2

POLAND/Chemical Technology, Chemical Products and Their Application, Part 3. - Carbohydrates and Their Treatment.

H-26

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34100.

decrease of the G moisture by 15 would need a rise of the heating temperature by 8.3° and a corresponding rise of gas temperature by 41.5°, which is connected with a considerable rise of fuel consumption and with the danger that the quality of G will deteriorate. The heating of G to 56° during the drying increases the germination degree of G a little, the decrease of the latter is observed only, if the heating temperature of the G was above 69°. The heating of G to about 60° produces a positive action on the baking properties of the G. At a heating of G to 90° no structural alterations of the algurone layer of G occur. G drying on drum driers for

Card : 2/3

#### CIA-RDP86-00513R00041152 "APPROVED FOR RELEASE: Thursday, July 27, 2000

DUMH, 2DZIS LAW
POLAND/Chemical Technology. Chemical Products and Their Application.

Food Industry. H-28

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 16004

Author : Duma Edsislaw

Inst Title

: Conference of Cereal Chemists at Detmold

Crig Pub: Przegl. zboz.-mlynarski, 1957, 1, No 5, 2-4.

Abstract: No abstract.

: 1/1 Card

PCLAND/Chemical Technology - Food Industry.

H.

Abs Jour

: Ref Zhur - Khimiya, No 16, 1958, 55534

Author

: Duma

Inst

: Inst. zboz.

Title

: A Modification of the technique for Determining the Ash

Content of Grains.

Orig Pub

: Przegl. zboz.-mlymarski, 1958, 2, No 1, Biul. inform.

Inst. zboz., 1-3.

Abstract

: A description is given on the suggested changes in technique, and the experimental results. The modification

consists mostly in ashing the whole grains, and also

in modified methods of sampling and ashing.

Card 1/1

21

DumA, Z.

POLAND/Food Processing Industry.

II.

Abs Jour

: Ref Zhur - Khimiya, No 19, 1958, 65831

Author

: Pum Zdzislav

Inst

Title

: Concerning the Accuracy of the Determination of Humidity.

Orig Pub

: Przejl. zboz.-mlynorski, 1958, 2, No 3, 84-87.

Abstract

: The method of determining the humidity of grain in a drying chamber were compared with the fast method in the Vays electrohygrometer. It was established that the classical method is more accurate than the rapid;

however, the difference is insignificant.

Card 1/1

33

POLAND / Chemical Technology. Food Industry.

H

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75504.

Author : Duna

Inst : Inst. zboz.

Title : The Industrial Control of Flour Darkening.

Orig Pub: Przegl. zboz-mlynarski, 1958, 2, No 4, Biul.

inform. Inst. zboz., No 2, 9-13.

Abstract: A review publication. A method of VNIIKHP

(Luk'yanov V.V., 1951, Technology and equipment of macaroni industry), and that of Z.F. Duma (with the application of colorimeter of Kent

Johns).

Card 1/1

### "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152

Gctogory= : Chemical Technology, Chemical Products and Their Applications. Food Tadustry. Abs, Jour.: R. 2h. - Khim., No 11, 1959 40440 : Dusa, Z. and Waskiewicz, I. Author Institut. : Hot given Titlo ; Comparison of Methods Used in the Determination of Catalase Activity in Seeds. Orig. Pub.: Przeglad Zboz-Mlynarski, 2, No 9, (1958); Biul Inford Inst Zboz Warszawie, 2, No 4, 5 (1958) Abstract : It has been found that titration by the method of Bakh and Oparin is the best among the methods tested. Z. Fabinakiy Card: 1/1 H-135

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152

Country H-28 Chemical Technology. Chemical Products and Their Catogory Applications. Food Industry. Abs. Jour. : R. Zh. - Khim., No 11, 1959 40446 Author : Duma, Z. Institut. Not given Title : Methods for Improving the Baking Quality of Rye Orig Pub. : Przglad Zboz-Mlynarski, 2, No 7, 200-201 (1958) Abstract : The baking quality of rye is improved by the following treatments: (1) drying of the rye at 65-80°; (2) preparation of milling mixtures by the blending of rye of different grades or short hot treatment (heating with live steam for 1-2 min to 60-70° followed by ventilation for 1/2 hr); and (3) improvements in the particle size distribution of the flour [uniformity]. Z. Fabinskiy 1/1 Card:

POLAND/Chemical Tochnology. Chemical Products
and Their Applications. Food Industry.

Abs Jour: Ref Zhur-Khimiya, No. 6, 1959, 21266

Author: Duma, Zdzislaw; Mirowczynska, Eugenia
Inst
Inst
Inst
Control of Milling Wheat and Ryc.

Orig Pub: Przegl. zboz.-mlynarski, 1950, 2, No. 9,
Biul. inform. zboz. Warszawie, 2, No. 4,
6-10

Abstract: To facilitate practical utilization of Mohs! data (Mohs, K., Grundlagen und Ziel der Typisierung der Mehle nach Asche, 1933), complete tables were compiled of the ish content of ryo and wheat flour with respect

Card : 1/2

H-120

DUMA, Z.

"The ZSP-8 Soviet transportable drying machine"

p. 266 (Przeglad Zbosowo-Mlynarski, Vol. 2, no. 9, Sept. 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) IC, Vol. 8, No. 1, Jan. 59.

DUMA, 2.

"Granaries are ready for the campaign in Sacsecin Volvodeship"

p. 267 (Praeglad Zbosowo-Hlynarski, Vol. 2, no. 9, Sept. 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

DUMA, Z.

"Erection of elevators and installations for the receipt of grain delivered by water transportation"

p. 269 (Preeglad Zbosowo-Hlymarski, Vol. 2, no. 9, Sept. 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

#### DUMA, Zdzislaw

Influence of drying temperature and initial moisture of wheat grain upon its quality and an evaluation of the methods used for the determination of the drying effects. Prace instyt i labor przem spoz. 12 no.1:19-50 '62.

1. Centralne Laboratorium Technologii Prztworstwa i Frzechowalnictwa Zboz, Warszawa.

DULLIAN, LI

AUTHOR: Duman, L. I., Candidate of Historical Sciences. 30-11-12/23

TITLE: A Scientific Center of Soviet Sinology (Nauchnyy tsentr sovetskogo kitayevedeniya).

PERIODICAL: Vestnik AM SSSR, 1957, Vol. 27, Mr 11, pp. 100-102 (USSR)

Due to China's growing importance the interest of the soviet ABSTRACT: people for its great neighbor with ancient culture, instructive history and revolutionary tradition also grows. For this reason the Presidium of the AN USSR in 1956 decided to establish a special scientific institute with the task to do preparatory scientific research work (problems of the economic, cultural and state structure, investigation of language and literature and so on). Sectors for history, politics and state structure, economy and comparative philology were set up. During its comparatively short time of existence this Institute already did good work. The outlines of China's history (1919-1957) were concluded. Besides 2 large compilations were edited (the Russian-Chinese and the Soviet-Chinese relations - 17th to 20th century). Of great use to university graduates is the work "The Bibliography of China" (Bibliografiya Kitaya) edited by a collective of collaborators under the directing participation of Card 1/2 L. Ye. Skachkov. This work also gives a survey of the hitherto

A Scientific Center of Soviet China-Research.

30-11-12/23

pbulished works of Russian Sinologists since the Taiping-rebellion (1851/53 until our time. K. A. Skachkov also wrote the historical work on the situation in the so-called "Tsin-China" (fifties and sixties of the last century). With regard to philosophical subjects, monographs on Chinese poetry during the formation of Lu Sin's weltanschauung were written, further the first volume by the great linguist Lyuy Shu-syan was published. Soon the works of the well-known Chinese historian Fan'Ven'-lan' (the history of Old China) will be published in a Russian translation.

AVAILABLE:

Library of Congress

Card 2/2

PCLAND/Electronics - Photocells and Semiconductor Device.

H

Abs Jour

: Ref Zhur Fizika, No 2, 1960, 4013

Author

: Dumana, Edward

Inst

Title

: Equivalent Circuit of Transistor

Orig P-b

: Zesz. nauk. Politechn. warsz., 1958, No 34, 53-65

Abstract

: The use of a large number of equivalent circuits for semiconductors, as practiced in the literature, makes the application of equivalent circuits difficult, since the circuits and the formulas derived from them are complicated and are different for each type of transistor connection (grounded base, grounded emitter, grounded collector). In this article the author considers an equivalent circuit which is common to all methods of connection. The design formulas for this circuit are distinguished for their relative simplicity and for the uniformity of the method by which they are made up for different transitor

Card 1/2

- 67 -

USSR (600)

Industrial Safety

More about the position of safety engineer and the technology of safety engineering. Sakh. prom., No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, October 1951, Uncl.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041152

